

## Connect Modbus TCP/IP Server Devices to Serial DH+ PLCs

### FEATURES

- Fully configurable Modbus TCP/IP client
- Connects up to 32 Modbus TCP/IP servers
- Fully configurable DH+ device
- Connects up to as many as 32 DH+ devices
- Effortless Browser Based Configuration, no programming software is required
- Simple data translation allows you to manipulate data as it passes between protocols
- 5-Year Hardware Warranty

### Connect up to 32 Modbus TCP Server Devices to DH+ Serial PLC5, or SLC PLCs

You can now control a network of 32 Modbus TCP servers from a legacy Allen-Bradley serial PLC.

It's the perfect tool to save legacy PLCs from the scrap pile and control Modbus TCP devices directly from the serial port of PLC5s and SLCs .

### How Do I Use the 460MCDHM-D2E in My Application?

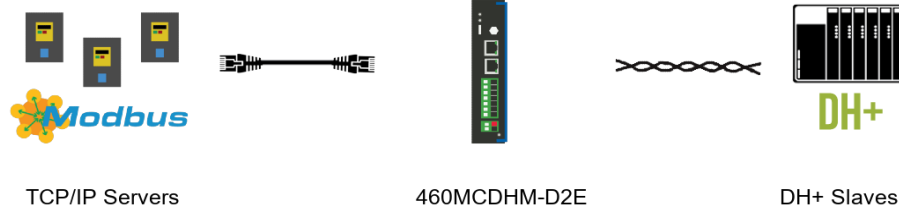
For most applications, the mapping is very straightforward. Modbus register and coil data is mapped to files in the PLCs data tables. For example, you can map N7:200 to Modbus register 40200 in Modbus server 10.

It really is that simple.

### Why Use Real Time Automation as a Gateway Supplier?

While there are certainly other companies offering protocol gateways, there is no one who provides the level of support and service that you receive from RTA.

When you call, a live person answers the phone. When you talk with sales, you will get honest answers and recommendations. When you get support, it is from an engineer who had a hand in the product's development, and support doesn't require a ticket or 24-hour wait.



**A Solution, A Philosophy, the RTA Way.** We understand the long hours spent on a factory floor and the pressure to keep a line running and product flowing. That's how Real Time Automation came to be. You want easy-to-use solutions where the hardest part is to open the box. You need customer support second to none. If you get all that and a fun customer experience all the better. Thirty years later, our mission remains the same: **To move your data where you need it, when you need it, and how you need it.**

**MODBUS TCP CLIENT FEATURES**

Operation Mode	Modbus TCP/IP Client
Function Codes Supported	1,2,3,4,5,6, 15 & 16
Swapping	Byte and Word Swapping
Maximum Modbus TCP/IP Server Devices	32
Number Read/Write Scan Lines per Server Device	200 Total - 100 reads & 100 writes
Scan Line Support	Up to 125 Registers or 512 Coils

**DH+ MASTER FEATURES**

Operation Mode	DH+ Master
PLCs Supported	5/04, PLC5
Maximum number of Devices supported	32
Data Type Supported	100 Integers or 100 Binaries, or 50 floats, 82 character string per Scan line
Scan Lines	100 input / 100 output
Physical Connections	DH+

**INCLUDED WITH GATEWAY**

3' power cable with flying leads	5-year hardware warranty
IPSetup software – automatically locates RTA gateway on the network	Unlimited firmware feature upgrades for life
CAT5 crossover cable for direct connection to PC during programming	Complete, unlimited access to our industry leading support staff
	Recommended (not supplied): Belden 9463 Blue Hose®, 1 Pr #20 Str TC <a href="https://www.belden.com/">https://www.belden.com/</a>

**ELECTRICAL / ENVIRONMENTAL**

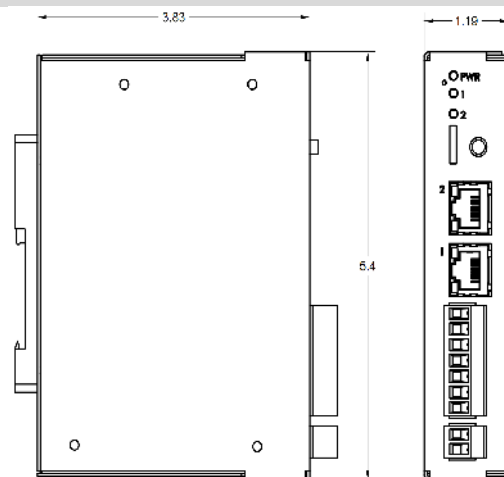
DC Input Voltage	12-24 VDC
Maximum Baud Rate	921.6K baud
Operating Temperature	-40 C to 85 C
Certification	CE Approvals

**ENCLOSURE / HARDWARE**

Size	5.40" x 3.83" x 1.19"
Weight	7.6 oz
Enclosure Type	Anodized Aluminum
Mounting	Din rail or panel mount
LEDs	Power LED, DH+ Status LED & general purpose LEDs on side

**GATEWAY FEATURES & FUNCTIONS**

Alarming	Set <, <=, >, >=, ==, !=, and change-of-state rules on any data moving through the gateway. If alarm rule is triggered an email notification can be sent.
Gateway Security	You can configure up to 9 different users access to diagnostic and configuration screens.
Translation Table	Allows for data manipulation during protocol translation. Scaling and other data format changes can occur in the gateway.
Status and Counters	Protocol specific status, counters, and error messages are accessible within the gateway's diagnostics page. They can also be delivered to a connected device.
Diagnostic Logging Page	Allows users to see and log start up sequences, protocol specific messages & error messages.



**NOT EXACTLY WHAT YOU WERE LOOKING FOR?**  
Real Time Automation offers a full line of gateway products. Give us a call at 1-800-249-1612. Or, check out a listing at [www.rtautomation.com/products](http://www.rtautomation.com/products). We also offer customizations for unique applications.

CATALOG #	DESCRIPTION
460MCDHM-D2E	Connects up to 32 Modbus TCP servers with as many as 32 DH+ devices

